PTO/SE/08a (07-09)

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Subs	Substitute for form 1449/PTO			Complete If Known		
				Application Number	10/589,377-Conf. #7109	
IN	<b>IFORMATIO</b>	N DIS	SCLOSURE	Filing Date	August 14, 2006	
S	TATEMENT	BY A	APPLICANT	First Named Inventor	Daniel J. Arriola	
				Art Unit	1796	
	(Use as many sheets as necessary)			Examiner Name	J. S. Lenihan	
Sheet	1	of	8	Attorney Docket Number	63558D	

	U.S. PATENT DOCUMENTS							
Examiner Initials*	Cite No.1	Document Number  Number-Kind Code <sup>2</sup> ( # known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear			
	AA*	US-5,391,629	02-21-1995	Turner et al.				
	AB*	US-6,566,446	05-20-2003	Parikh et al.				
	AC*	US-3,873,642-A	03-25-1975	Jezl				
	AD*	US-5,468,810-A	11-21-1995	Hayakawa et al.				
	AE*	US-5,594,080-A	01-14-1997	Waymouth et al.				
	AF*	US-5,610,253-A	03-11-1997	Hatke et al.				
	AG*	US-5,733,980-A	03-31-1998	Cozewith et al.				
	AH*	US-5,798,420-A	08-25-1998	Cozewith et al.				
	AI*	US-5,969,070-A	10-19-1999	Waymouth et al.				
	AJ*	US-6,114,457-A	09-05-2000	Markel et al.				
	AK*	US-6,147,180-A	11-14-2000	Markel et al.				
	AL*	US-6,262,203-B1	07-17-2001	Chien et al.				
	AM*	US-6.566.544-B1	05-20-2003	Waymouth et al.				
	AN*	US-20040121922	06-24-2004	Okada et al.				
	AO*	US-20030027954	02-06-2003	Becke et al.				
	AP*	US-20040092662	05-13-2004	Goto et al.				
	AQ*	US-6,187,424	02-13-2001	Kjellqvist et al.				
	AR*	US-6,197,404	03-06-2001	Varona				
	AS*	US-6,362,252	03-26-2002	Prutkin				

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Examiner	Cite	Foreign Patent Document	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where Relevant Passages					
Initials*	No.1	Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>6</sup> (#known)	MM-DD-YYYY	Applicant of Cited Document	Or Relevant Figures Appear	Le				
	ВА	WO-95/27746-A1	10-19-1995	Exxon Chemical Patents Inc		V				
	BB	WO-95/27745-A1	10-19-1995	Exxon Chemical Patents Inc						
	ВС	WO-9834970-A1	08-13-1998	Exxon Chemical Patents Inc						
	BD	WO-9935171-A1	07-15-1999	Univ Leland Stanford Junior et al.						
	BE	WO-0037514-A1	06-29-2000	Exxon Chemical Patents Inc						
	BF	WO-02/066540-A2	08-29-2002	Basell Poliolefine Spa et al.						

Examiner	Date
Signature	Considered
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. \*CITE NO.: Those application(s) which are marked with an single asterisk (\*) next to the Cite No. are not supplied (under 37 CFR 1.98(a)(2)(iii)) because that application was filed after June 30, 2003 or is available in the IFW. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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Dated: October 21, 2009

Electronic Signature for Jennifer Adamson: /Jennifer Adamson/

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Subs	titute for form 1449/PT	'n		Complete If Known		
				Application Number	10/589,377-Conf. #7109	
IN	FORMATIC	ON DISC	CLOSURE	Filing Date	August 14, 2006	
S.	TATEMEN1	BY AF	PPLICANT	First Named Inventor	Daniel J. Arriola	
				Art Unit	1796	
	(Use as many	sheets as ne	ecessary)	Examiner Name	J. S. Lenihan	
Sheet	2	of	8 .	Attorney Docket Number	63558D	

			U.S. PA	TENT DOCUMENTS		
Examiner	Cite	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or	Pages, Columns, Lines, Where Relevant Passages or Relevan	
initials*	No.1	Number-Kind Code <sup>2</sup> ( if known)	MM-DU-TTTT	Applicant of Cited Document	Figures Appear	
	AT*	US-6,537,472	03-25-2003	Masubuchi		
	AU*	US-6,815,023	11-09-2004	Tatarka et al.		
	AV*	US-7,005,395	02-28-2006	Zafiroglu et al.		
	AW*	US-20030195128	10-16-2003	Deckman et al.		
	AX*	US-20030216518	11-20-2003	Tau et al.		
	AY*	US-20040082750	04-29-2004	Tau et al.		
	AZ*	US-20040192147	09-30-2004	Smith et al.		
	AA1*	US-20050009993	01-13-2005	Morioka et al.		
	AB1*	US-20060030667	02-09-2006	Yalvac et al.		
	AC1*	US-20040158011	08-12-2004	Jain et al.		
	AD1*	US-20080299857	12-04-2008	Harding et al.		
	AE1*	US-5,624,991	04-29-1997	Harada et al.		
	AF1*	US-6,160,029	12-12-2000	Chaudhary et al.		
	AG1*	US-6,455,638	09-24-2002	Laughner et al.		
	AH1*	US-2,973,344	02-28-1961	Fasce		
	Al1*	US-4,146,492	03-27-1979	Cusano et al.		
	AJ1*	US-4,299,931	11-10-1981	Coran et al.		
	AK1*	US-4,429,079	01-31-1984	Shibata et al.		
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	Cite No.1	Country Code <sup>8</sup> -Number <sup>4</sup> -Kind Code <sup>6</sup> (# known)	Date MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>		
	BG	WO-03014046-A1	02-20-2003	Bp Chem Int Ltd et al.				
	вн	EP-0274906-A2	07-20-1988	Mitsubishi Petrochemical Co				
	ВІ	EP-0958313B1-A1	11-24-1999	Exxon Chemical Patents Inc				
	BJ	EP-1262498-A2	12-04-2002	Mitsui Chemicals Inc				
	ВК	JP-2002-206007A-A	07-26-2002	Nat Inst Of Adv Ind & Technol et al.				
	BL	JP-2004-204058A-A	07-22-2004	Mitsui Chemicals Inc		Г		

Examiner	Date
Signature	Considered

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Sub	Substitute for form 1449/PTO			Complete If Known		
	outdo for form 1 1 rail 1			Application Number	10/589,377-Conf. #7109	
l IN	<b>IFORMATIO</b>	N DI	SCLOSURE	Filing Date	August 14, 2006	
l s	<b>TATEMENT</b>	BY A	APPLICANT	First Named Inventor	Daniel J. Arriola	
	.,			Art Unit	1796	
	(Use as many sheets as necessary)			Examiner Name	J. S. Lenihan	
Sheet	3	of	8	Attorney Docket Number	63558D	

U.S. PATENT DOCUMENTS							
Examiner Initials*	Cite No.1	Document Number  Number-Kind Code <sup>2</sup> ( if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear		
	AM1*	US-4,780,228	10-25-1988	Gardiner et al.			
	AN1*	US-5,068,047	11-26-1991	Chung et al.			
	AO1*	US-5,266,626	11-30-1993	Hert et al.			
	AP1*	US-5,322,728	06-21-1994	Davey et al.			
	AQ1*	US-5,597,881	01-28-1997	Winter et al.			
	AR1*	US-5,783,531	07-21-1998	Andrew et al.			
	AS1*	US-5,916,953	06-29-1999	Jacoby et al.			
	AT1*	US-6,025,448	02-15-2000	Swindoll et al.			
	AU1*	US-6,096,668	08-01-2000	Abuto et al.			
	AV1*	US-6,121,402	09-19-2000	Machida et al.			
	AW1*	US-6,136,937	10-24-2000	Lai et al.			
	AX1*	US-4,798,081	01-17-1989	Hazlitt et al.			
	AY1*	US-6,008,262	12-28-1999	McKay et al.			
	AZ1*	US-2,997,432	08-22-1961	Koble, et al.			
	AA2*	US-5,868,984	02-09-1999	Winter et al.			
	AB2*	US-5,892,076	04-06-1999	Nickias			
**-	AC2*	US-5,994,255	11-30-1999	Nickias et al.			
	AD2*	US-6,323,284	11-27-2001	Peacock			
	AE2*	US-20030088037	05-08-2003	Stevens et al.			

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Examiner Initials*	Cite	Foreign Patent Document	Publication	Name of Patentee or	`Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	
	No.1	Country Code <sup>8</sup> -Number <sup>4</sup> -Kind Code <sup>6</sup> (# known)	Date MM-DD-YYYY	Applicant of Cited Document		
	ВМ	EP-1026184-A1	08-09-2000	Grand Polymer Co Ltd		
	BN	WO-05/090426-A1	09-29-2005	Dow Global Technologies Inc et al.		
	ВО	EP-02079322-A1	07-22-2009	Symrise Gmbh & Co Kg		
	BP	EP-0877050-A2	1 <b>1</b> -11-1998	Dow Chemical Co		
	BQ	JP-2004204058-A	07-22-2004	Mitsui Chemicals Inc		
	BR	WO-2004046214-A2	06-03-2004	Exxonmobil Chem Patents Inc et al.		

Examiner	Date	
Signature	Considered	

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Subs	Substitute for form 1 449/PTO			Complete If Known		
3808				Application Number	10/589,377-Conf. #7109	
IN	FORMATION	ID NC	SCLOSURE	Filing Date	August 14, 2006	
	STATEMENT BY APPLICANT			First Named Inventor	Daniel J. Arriola	
	.,			Art Unit	1796	
	(Use as many sheets as necessary)			Examiner Name	J. S. Lenihan	
Sheet	4	of	8	Attorney Docket Number	63558D	

			U.S. PA	TENT DOCUMENTS	
Examiner	Cite	Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where Relevant Passages or Relevant
Initials*	No.1	Number-Kind Code <sup>2</sup> ( if known)	MM-DD-YYYY	Applicant of Cited Document	Figures Appear
	AF2*	US-20030195308	10-16-2003	Waymouth et al.	
	AG2*	US-6,380,341	04-30-2002	Waymouth et al.	
	AH2*	US-20020107341	08-08-2002	Murray et al.	
	AI2*	US-20020161141	10-31-2002	Mawson et al.	
	AJ2*	US-20040044154	03-04-2004	Kuo et al.	
	AK2*	US-20030153689	08-14-2003	Mehta et al.	
	AL2*	US-20030114623	06-19-2003	Mitani et al.	
	AM2*	US-6,169,151	01-02-2001	Waymouth et al.	
	AN2*	US-5,210,338	05-11-1993	Samsel	
	AO2*	US-5,276,220	01-04-1994	Samsel et al.	
	AP2*	US-6,444,867	09-03-2002	Samsel et al.	
	AQ2*	US-3,970,719	07-20-1976	Edmonds, Jr.	
	AR2*	US-4,039,632	08-02-1977	Edmonds, Jr.	
	AS2*	US-4,971,936	11-20-1990	Wilson et al.	
	AT2*	US-5,089,573	02-18-1992	Job	
	AU2*	US-5,118,767	06-02-1992	Job	
	AV2*	US-5,118,768	06-02-1992	Job et al.	
	AW2*	US-5,134,209	07-28-1992	Job et al.	
	AX2*	US-5,229,477	07-20-1993	Job et al.	

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	Cite	Foreign Patent Document	Publication	Name of Patentee or	Pages, Columns, Lines, Where Relevant Passages	
Examiner Initials*	No.1	Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>6</sup> (* known)	MM-DD-YYYY	Applicant of Cited Document	Or Relevant Figures Appear	T°
	BS	WO-9849211-A1	11-05-1998	Dow Chemical Co et al.		
	вт	WO-03022890-A1	03-20-2003	Exxonmobil Chem Patents Inc et al.		
	BU	EP-1197500-A1	04-17-2002	Mitsui Chemicals Inc		
	BV-	WO-9834970-A1	08-13-1998	Exxon Chemical Patents Inc		
	BW	EP-470171-A1	02-12-1992	Shell Oil Co		
	вх	EP-500530-A1	09-02-1992	Shell Oil Co		

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Sut	Substitute for form 1449/PTO			Complete If Known		
	Saudo io ioni (440)	<u> </u>		Application Number	10/589,377-Conf. #7109	
11	<b>NFORMATIC</b>	ON DISC	CLOSURE	Filing Date	August 14, 2006	
l s	TATEMENT	BY AF	PLICANT	First Named Inventor	Daniel J. Arriola	
				Art Unit	1796	
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	AY2*	US-5,270,276	12-14-1993	Job	
	AZ2*	US-5,270,410	12-14-1993	Job	
	AA3*	US-5,294,581	03-15-1994	Job	
	AB3*	US-5,543,458	08-06-1996	Hoxmeier et al.	
-	AC3*	US-5,550,194	08-27-1996	Hoxmeier et al.	
	AD3*	US-5,693,713	12-02-1997	Hoxmeier et al.	
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Examiner	Cite	Foreign Patent Document	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where Relevant Passages	١.
Initials*	No.1	Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (# known)	MM-DD-YYYY	Applicant of Cited Document	Or Relevant Figures Appear	
	BY	WO-90/12816-A1	11-01-1990	Shell Oil Co		
	BZ	WO-91/00875-A1	01-24-1991	Shell Oil Co		
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S	TATEMENT	BY A	PPLICANT	First Named Inventor	Daniel J. Arriola	
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	(Use as many sheets as necessary)			Examiner Name	J. S. Lenihan	
Sheet	6	of	8	Attorney Docket Number	63558D	

		NON PATENT LITERATURE DOCUMENTS	
Examiņer Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
	CA	LIEBER SuSANNA ET AL: "Propene polymeriztion with catalyst mixtures containing different ansa-zirconocenes:chain transfer to alkylaluminum cocatalystes and formation of steroblock polymers" MACROMOLECUES; MACROMOLECULES Dec 2000 ACS, Washington. DC. USA, vol 33, no. 25, December 2000 (2000-12), Pages 9192 - 9199	
	СВ	PRZYBYLA. FINK: "Two Different on the same silica supported metallocene catalystes, activated by various trialkylaluminums" ACTA POLYMERICA, vol. 50, 21 April 1999 (1999-04-21), pages73-83.	
	CC	CHIEN JAMES C W ET AL: "Homogeneous binary zirconocenium catalystst for propylene ploymeriation. II. Mixtures of isospecific and syndiospecific zirconocene systems" J POLYM SCI PART A; PLOYMER CHEMISTRY 1999 JOHN WILEY & SONS INC. NEW YORK, NY USA. vol 37, np.17,1999. pages 2439 -2445	
	CD	TANIM B S ET AL: "Blends of single-site linear and branched polyethylene. I. Thermal characterisation" POLYMER, ELESVIER SCIENCE PUBLISHERS B.V., GB. vol 42, no 12, June 2001 (2001-06), pages 5389 - 52399	
	CE	STARCK P ET AL "Thermal properites of ethylene/long chain alpha olefin copolymers produced by metallocences" JANUARY 2002 (2002-01), EUROPEAN POLYMERS JOURNAL, PERAMON PRESS, LONDON, GB, pages 97 - 107	
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Examine	Date	
Signature	Considered	

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Subs	Substitute for form 1449/PTO			Complete If Known		
0400	101 101111 14401 10			Application Number	10/589,377-Conf. #7109	
IN	<b>FORMATIO</b>	N DIS	SCLOSURE	Filing Date	August 14, 2006	
S	TATEMENT	BY A	PPLICANT	First Named Inventor	Daniel J. Arriola	
_				Art Unit	1796	
	(Use as many sheets as necessary)		Examiner Name	J. S. Lenihan		
Sheet	7	of	8	Attorney Docket Number	63558D	

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
	СК	Coates, Hustad, and Reinartz in Angew, Chem. Int. Ed. 41, 2236-2257 (2002);	
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		Bytter et al. Polymer 45, 7853 -7861:	$\neg$
	टा	Cym. F. a. Chiyara, A., Colonia, C., Carriero, C., Carrier	$\neg \vdash$

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Substitute for form 1449/PTO				Complete if Known		
	5. 10.11 1440/1 10			Application Number	10/589,377-Conf. #7109	
IN	<b>IFORMATION</b>	l DI	SCLOSURE	Filing Date	August 14, 2006	
S	TATEMENT E	3Y /	APPLICANT	First Named Inventor	Daniel J. Arriola	
				Art Unit	1796	
	(Use as many sh	ets as	s necessary)	Examiner Name	J. S. Lenihan	
Sheet	8	of	8	Attorney Docket Number	63558D	

Examiņer Initials	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, senal, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			
	CU	JAC, 2004, 126, 10701 - 10712, Gibson et al			
	CV	Office Communication dated 13.05.2009 to Vereenigde from EPO; 2 pages			
	CW	Office Action dated 17.04.2008 to Vereenige from EPO; 3 pages.			
	сх	Response to Office Action dated January 19, 2009 from Vereenigde to EPO; regarding EPO office Action sent to Vereenigde dated April 17, 2008.			
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